

ABSTRACT

A system for automatically adjusting a fastener screw of a pivot joint between first and second parts of a pair of scissors, each part having a blade and a respective handle. A part clamp engages and holds the handle of the first part. A torque arm engages and moves the handle of the second part relative to the first part about the pivot joint. A driver adjusts the fastener screw to provide a desired resistance to relative movement between the first and second parts. A position encoder is connected to the part clamp and torque arm to generate a position signal indicative of the position of the second part relative to the first part. A torque transducer is connected to the parts clamp and torque arm to generate a torque signal indicative of the resistance to relative movement between the first and second parts. A controller has inputs operatively connected to the position encoder and to the torque transducer and an output operatively connected to the driver. The controller is responsive to the position signal and to the torque signal and controls the driver.